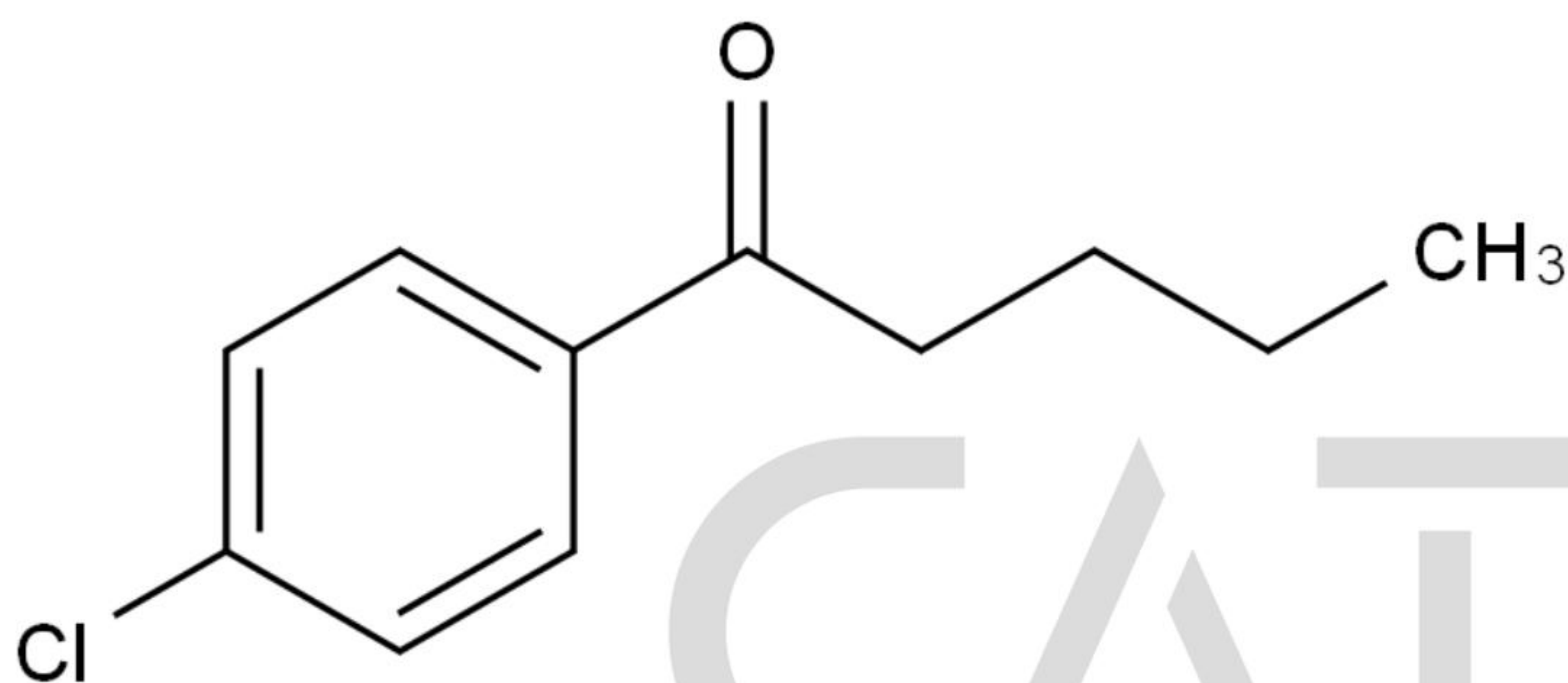


Certificate of Analysis

Reference Material & Standard

Product Name:	4'-Chlorovalerophenone	Catalogue Number:	C3D-4273
Synonyms:	N/A	Lot Number:	1024-RE-0016
CAS Number:	25017-08-7	Expiry Date:	Oct 23, 2026
Molecular Formula:	C ₁₁ H ₁₃ ClO	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	196.67		
Chemical Structure:			



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.854%
Loss On Drying	TGA	3.4383%
Assay		96.4%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Aporoved by General Manager:

David

Date: Oct 24, 2023

Date: Oct 24, 2023

Date: Oct 24, 2023

